



**SAN FRANCISCO
STATE UNIVERSITY**

Page 1 of 1

Invoice No. **750587**
Invoice Date 11/26/2013
Account No. 999000157
Payment Terms Net 30

Due Date 12/26/2013
Total Amount Due \$19,812.00

Bill To US ENVIRONMENTAL PROTECTION AGENCY
109 TW ALEXANDER DRIVE
DURHAM NC 27711

Questions regarding this invoice can be directed to Duncan Deng at 415/338-0506

Line No.	Description	Identifier	Amount
1	40927000	503107-3080	19,812.00

REIMBURSEMENT FOR DELIVERABLE # 1 - ORDER #: EP-13-D-000146,
DUNS#: 942514985, SAN FRANCISCO STATE UNIVERSITY
BANK INFO: WELLS FARGO BANK, N.A. WIRE ROUTING#: 121000248 ACCT #: 4944-834555
TAX ID: 931-13-7247

----- Please return this portion of invoice with payment ----- X

Total Amount Due: \$19,812.00
Please include the following on the check:
Account No. 999000157
Invoice No. 750587

Make Check Payable to:
San Francisco State University
Bursar's Office ADM 155
1600 Holloway Avenue
San Francisco, CA 94132

B4096744602
RECEIVED BY RTP-FC: Nov 26 2013

San Francisco State University (SFSU) East Liverpool Manganese Health Study Public Meeting

Agenda

7:00 – 7:05 pm	Welcome/Introductions	Greg Stein ODH
7:05 – 7:15 pm	U.S. EPA Region 5 summary/remarks	George Bollweg U.S. EPA
7:15 – 8:05 pm	Preliminary Results: An Epidemiologic Health Study Of Manganese Exposure in Adult Residents of East Liverpool, Ohio	Rosemarie Bowler SFSU Michelle Colledge ATSDR
8:05 – 8:15 pm	U.S. EPA closing remarks	George Bollweg U.S. EPA
8:15 pm	Questions and Answers	All

Participating Agencies:



SAN FRANCISCO
STATE UNIVERSITY



A special note of thanks to the Kent State University for
providing the space for tonight's public meeting

I witnessed this community presentation
in East Liverpool, Ohio on July 11, 2013,

Edward E. Hudgins



SAN FRANCISCO
STATE UNIVERSITY

Rosemarie Bowler, Ph.D.
8371 Kent Drive
El Cerrito, CA 94530
Tel: 510/236-5599
Fax: 510/236-3370

February 11, 2013

[Redacted]

Dear [Redacted]

We thank you for participating in the East Liverpool Community Health Study investigating the possible health effects of manganese exposure in adults. Our apologies for the delay in contacting you with your individual results of the Health Study we conducted in November 2011. We were waiting for additional funding from U.S. EPA to hold a community feedback meeting and wanted to make sure the information for the community meeting was sent with your results.

Enclosed you will find your personal results of the neurological and neuropsychological testing, as well as the results of your blood analysis. Thank you for providing your information to us. If you have questions about your individual results, please email your questions to: ohstudy@sfsu.edu or you can contact me at 510-236-5599.

Additionally, we will be presenting the group results at a **public meeting on April 18, 2013**. In addition to myself and my research colleagues, there will be representatives from both Ohio EPA and U.S. EPA agencies, as well as state public health officials to answer any of your questions.

East Liverpool Community Health Study Results Meeting:

Date: April 18, 2013
Time: 7:00p.m. – 8:30p.m.
Location: Kent State University
Slak Shak Meeting Room
400 East 4th Street
East Liverpool, Ohio 43920

We very much appreciate your participation in this community study of airborne manganese exposure in adults. It has been a privilege to have your cooperation in our study and we encourage you to contact us if you have additional questions or concerns you would like to discuss.

Sincerely,

Rosemarie L. Bowler, Ph.D.

Rosemarie Bowler, Ph.D., M.P.H.



Dear [REDACTED]

The tables below show the behavioral and laboratory test results from your participation in the 2011 East Liverpool Community Health study investigation of effects of air manganese exposure on adults in the community of East Liverpool, Ohio.

Neuropsychological & Neurological Test Results:

<u>Area of function:</u>	<u>Description:</u>	<u>Results:</u>
Motor Speed	Speed of performance of both hands	Within Normal Limits
Other Motor	Strength, manual dexterity, and tremor	Within Normal Limits
Tremor – Left Hand	Left hand tremor	Within Normal Limits
Tremor – Right Hand	Right hand tremor	Within Normal Limits
Movement	Body stability, muscle tone, reflexes	Within Normal Limits
Attention	Attention, concentration, short-term memory	Within Normal Limits
Visual Memory	Long-term visual memory	Within Normal Limits
Auditory Memory	Long-term auditory memory	Within Normal Limits
Cognitive Flexibility	Ability to perform complicated tasks	Within Normal Limits
Mood	Emotional functioning	Within Normal Limits

If any of your test results are different from those found in the general population (outside of the normal range), you are advised to consult with your family doctor or a local healthcare provider. Please note that any medical care will be at your own expense. Note: Test results outside of the normal range may not result in a diagnosis.

Blood Analyses Results:

<u>Lab test</u>	<u>Your Value</u>	<u>Found in General Population</u>
Manganese (Mn) ¹	15.17 µg/L	4.0 to 15 µg/L
Lead (Pb) ²	0.56 µg/dL	1.40 to 4.20 µg/dL
Cadmium (Cd) ²	0.29 µg/L	0.3 to 1.3 µg/L
Mercury (Hg) ²	2.65 µg/L	0.3 to 1.9 µg/L
Ferritin (Ferr-S) ²	4.83 ng/mL	Female: 10 – 120 ng/mL Male: 20 – 250 ng/mL

¹<http://www.atsdr.cdc.gov/toxprofiles/to151.html> – Chapter 1, p 8

²Based on National Health and Nutrition Survey years 2003-2004, U.S. general population upper 50th and 95th percentile.

Note: The measurement of an environmental chemical in a person's blood does not by itself mean that the chemical causes disease

Toenail Analyses Results:

<u>Lab test</u>	<u>Your Value (µg/g)</u>	<u>Found in General Population</u>
Manganese (Mn)	0.31	Normal values are not yet fully established

Hudgens, Edward

From: Hudgens, Edward
Sent: Wednesday, December 11, 2013 3:30 PM
To: RTPReceiving
Subject: RE: Urgent!! Invoice Approval Required for Payment of Invoice Number 750587--RMN: B4096744602

RTP Receiving,

Yes, I certify the services/goods specified were received. Please let me know if you have any questions about or problems with any items on this Purchase Order,

Ed Hudgens

Edward E. Hudgens
U.S. EPA, NHEERL,
Environmental Public Health Division, Epidemiology Branch Mail Drop 58 C Research Triangle
Park, NC 27711
Phone: 919-966-0642
Fax: 919-966-0655
E-mail: hudgens.edward@epa.gov

-----Original Message-----

From: rtpreceiving@epa.gov [<mailto:rtpreceiving@epa.gov>]
Sent: Monday, December 09, 2013 1:38 PM
To: Hudgens, Edward
Subject: Urgent!! Invoice Approval Required for Payment of Invoice Number 750587--RMN: B4096744602
Importance: High

Purchase Order: EP13D000146
Invoice Number: 750587 **see web link below
Vendor: SAN FRANCISCO STATE UNIVERSITY

RTP-FC Financial Services Branch (FSB) requests your approval (via email) for payment of this invoice. To ensure timely payment of this invoice and avoid an interest penalty (which begins to accrue if the invoice is paid after 30 days), please respond to this message with one of the following statements: "Yes, I certify the services/goods specified were received," or "No, the services/goods were not received." If the services or goods were not received or completed, disapprove the invoice and provide a brief explanation for the disapproval.

If the approval or disapproval is not received within three days, a representative from FSB will contact you again with reminder emails or telephone calls. Please provide contact information for an alternate approving official if you are out of the office. Further, the contracting officer may be contacted if there is still no response after 15 days in order to comply with the Prompt Payment Act. Note the time available to you to approve the invoice is limited. YOU DO NOT HAVE 30 DAYS TO APPROVE THE INVOICE. The approval process is just a part of the entire 30 day period for processing payment. If you have any questions, please contact our Customer Assistance at 919-541-0616. Thank you for your prompt attention to this matter!

http://ocfosystem1.epa.gov/images/spits_images/invoices/B4096744602.pdf

Hudgens, Edward

From: Edward I. Hudgens
Sent: Wednesday, December 11, 2013 3:30 PM
To: WTP@epa.gov
Subject: RE: Urgent! Invoice Approval Required for Payment of Invoice Number 350587--HW

WTP RECEIVING

Yes, I certify the services/goods specified were received. Please let me know if you have any questions about or problems with any items on this Purchase Order.

Ed Hudgens

Edward I. Hudgens
U.S. EPA, W660L
Environmental Public Health Division, Epidemiology Branch Mail Drop 98 C Research Triangle
Park, NC 27711
Phone: 919-905-9541
Fax: 919-905-9552
E-mail: edward.hudgens@epa.gov

-----Original Message-----

From: edward.hudgens@epa.gov
Sent: Monday, December 09, 2013 1:38 PM
To: Hudgens, Edward
Subject: Urgent! Invoice Approval Required for Payment of Invoice Number 350587--HW
Important: High

Purchase Order: 0310000146
Invoice Number: 350587 **see web link below
Vendor: SAN FRANCISCO STATE UNIVERSITY

WTP-9C Financial Services Branch (FSB) requests your approval (via email) for payment of this invoice. To ensure timely payment of this invoice and avoid an interest penalty (which begins to accrue if the invoice is paid after 30 days), please respond to this message with one of the following statements: "Yes, I certify the services/goods specified were received," or "No, the services/goods were not received." If the services or goods were not received or completed, disapprove the invoice and provide a brief explanation for the disapproval.

If the approval or disapproval is not received within three days, a representative from FSB will contact you again with reminder emails or telephone calls. Please provide contact information for an alternate approving official if you are out of the office. Further, the contracting officer may be contacted if there is still no response after 15 days in order to comply with the prompt payment act. Note the time available to you to approve the invoice is limited. You do not have to back to approve the invoice. The approval process is just a part of the entire 30 day period for processing payment. If you have any questions, please contact the Customer Assistance at 813-541-0818. Thank you for your prompt attention to this matter!

edward.hudgens@epa.gov